

FIG. 1

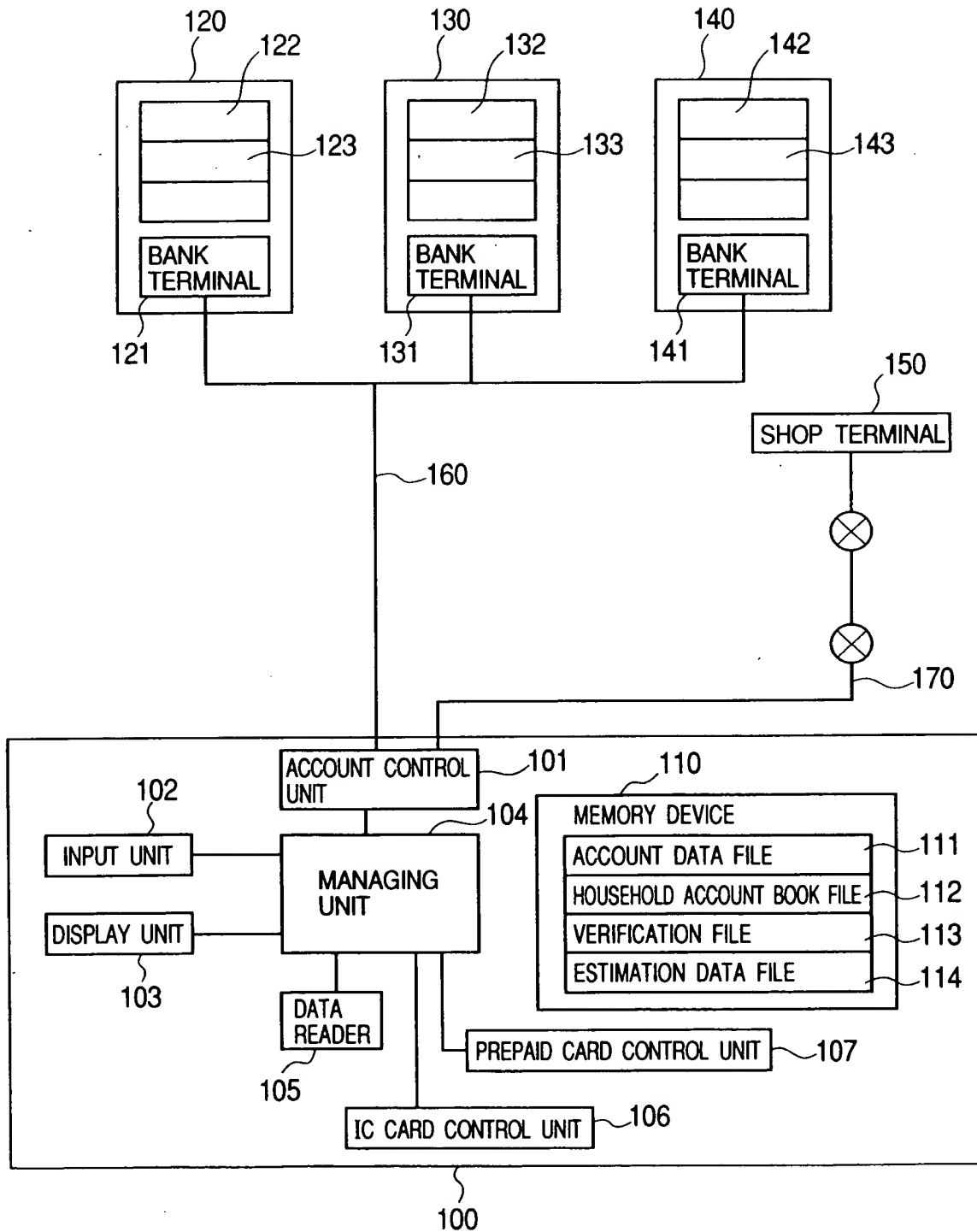


FIG. 2

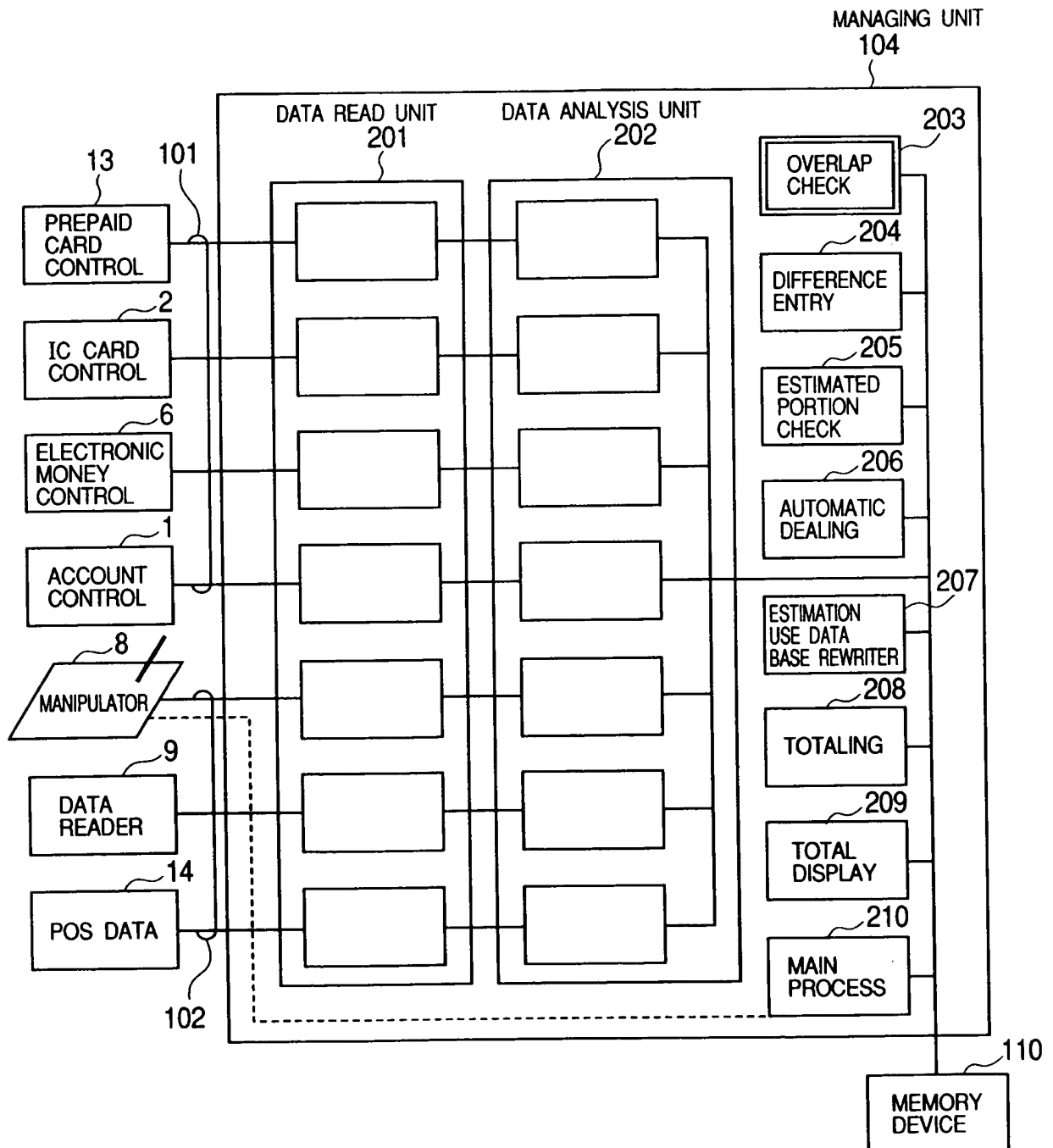


FIG. 3

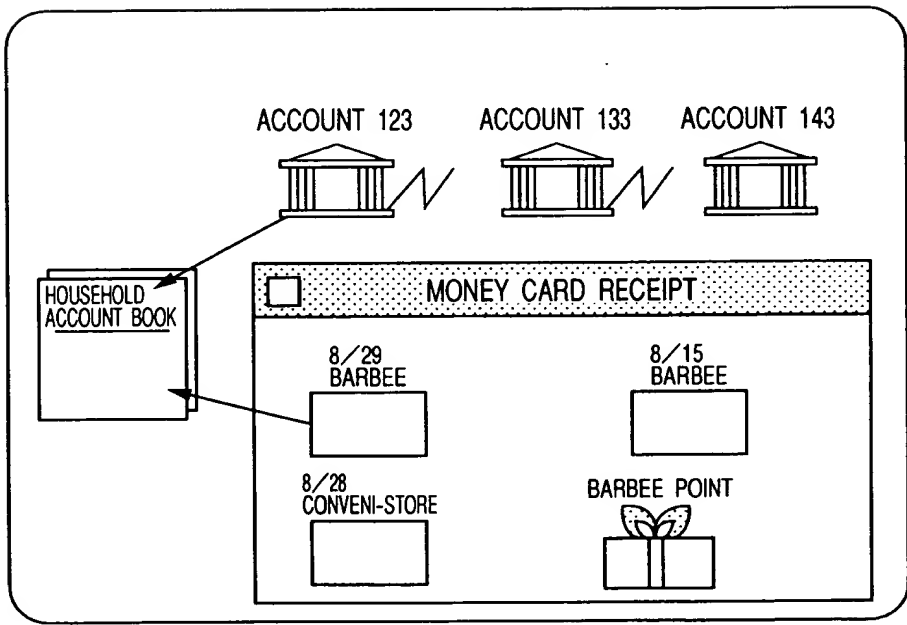
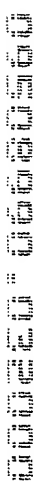


FIG. 4

	8/29 BARBEE	BARBEE POINT
IMAGE		
TEXT 1	<div><div>BARBEE</div><div>1987Y 8M 29D 13;20</div><div>[BILL]</div><div>KEYMA CURRY ¥ 680-</div><div>SEASON'S SALAD ¥ 480-</div><div><hr/></div><div>SUBTOTAL ¥ 1,160-</div><div>CONSUMP. TAX ¥ 34-</div><div><hr/></div><div>TOTAL ¥ 1,194-</div><div>PAYMENT VIA IC CARD</div></div>	<div>POINT 3</div> <div>THANK YOU FOR USING AS CURRENT POINT IS ABOVE, WHICH IS VALID UNTIL 2001.</div> <div>WHEN YOU COLLECT 10 POINTS,...</div>
TEXT 2	<div><div>[NOTICE]</div><div>DURING SEPT. CURRY FAIR ON-GOING !</div><div>MENU GUIDE</div></div>	

HTML FORMAT

FIG. 5

EXPENSE
ITEM NOT
DECIDED

DATE	ITEM	SHOP	ESTIMATED EXPENSE ITEM	MONEY AMOUNT
8/29	KEYMA CURRY	BARBEE	EAT-OUT EXPENSE	...
8/29	SEASON'S SALAD	BARBEE	EAT-OUT EXPENSE	...
8/29	CONSUMP. TAX	BARBEE	EAT-OUT EXPENSE	LIQUOR CHARGE
				CONSUMP. TAX

EXPENSE
ITEM OK



Y M D	NOTE	INCOME/ EXPENDITURE	MONEY AMOUNT
H8. 11. 13	SALARY	INCOME	...
H8. 11. 13	HOME LOAN	EXPENSE	...
H8. 11. 14	WATER FEE	EXPENSE	...

DATE	ITEM	DEALING DESTINATED	REMARKS	MONEY AMOUNT
...
11/13	SALARY		ACCOUNT 123	...

HOUSING EXPENSE				
DATE	ITEM	SHOP	REMARKS	MONEY AMOUNT
...
11/13	HOME LOAN		ACCOUNT 123	...

DATE	ITEM	SHOP	REMARKS	MONEY AMOUNT
...
11/14	WATER FEE		ACCOUNT 123	...

OK

[illegible]

DATA HAVING SAME DATE/ATTRIBUTE ALREADY RECORDED !

HOUSEHOLD ACCOUNT BOOK

MONEY CARD RECEIPT

8/29 BARBEE

8/15 BARBEE

8/28 CONVENI-STORE

BARBEE POINT

FIG. 9

(a) ACCOUNT DATA TO BE CHECKED FOR OVERLAPPING

DATE	ITEM	SHOP	ESTIMATED EXPENSE ITEM	MONEY AMOUNT
8/29	KEYMA CURRY	BARBEE	EAT-OUT EXPENSE	...
8/29	SEASON'S SALAD	BARBEE	EAT-OUT EXPENSE	...
8/29	CONSUMP. TAX		EAT-OUT EXPENSE	...

(b) HOUSEHOLD
ACCOUNT
DATA

EAT-OUT EXPENSE

DATE	ITEM	SHOP	REMARKS	MONEY AMOUNT
...
8/29	KEYMA CURRY	BARBEE		...
8/29	SEASON'S SALAD	BARBEE		

CONSUMP. TAX

DATE	ITEM	SHOP	REMARKS	MONEY AMOUNT
...
8/29	CONSUMP. TAX	BARBEE	EAT-OUT EXPENSE	...

FIG. 10

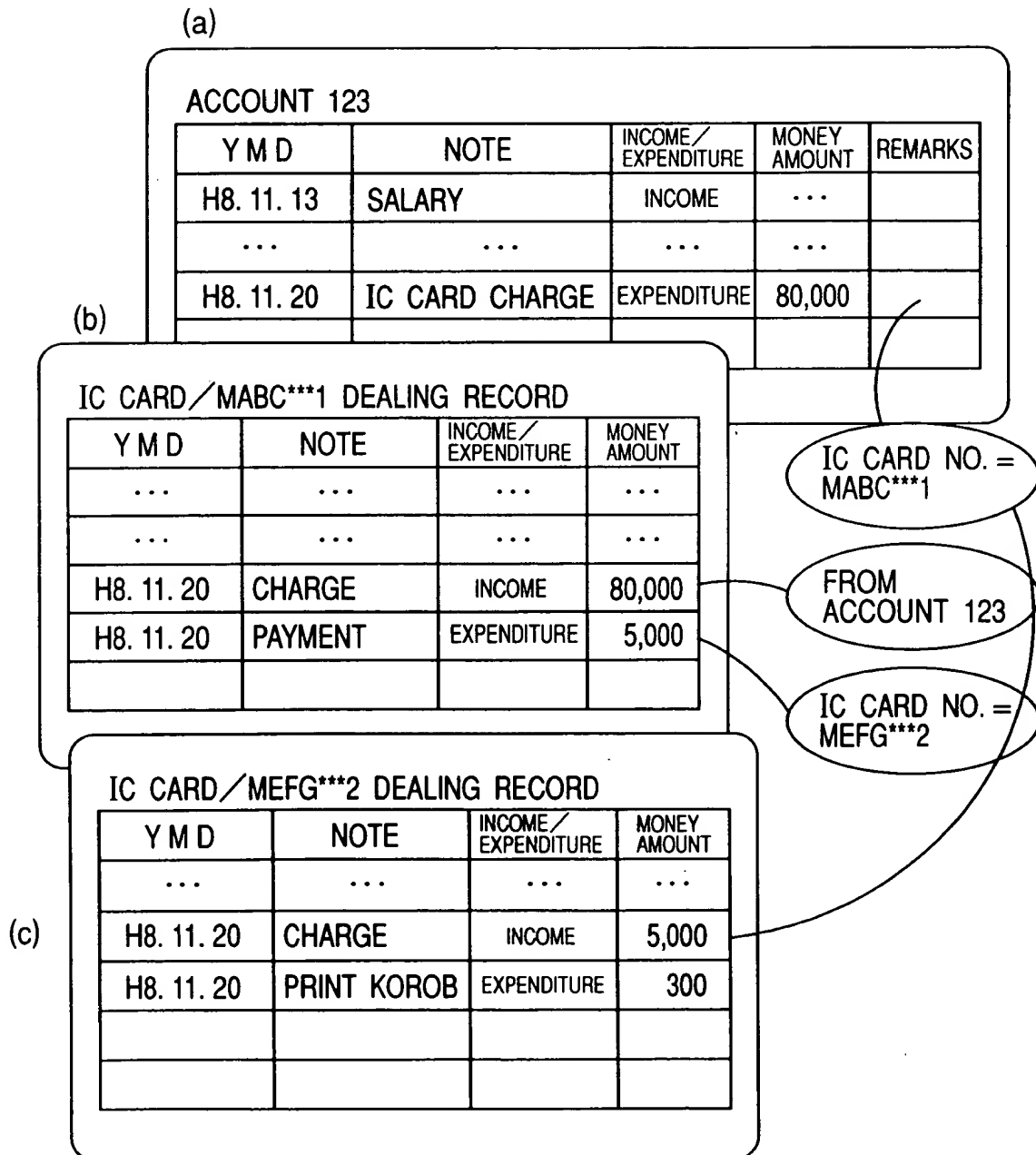
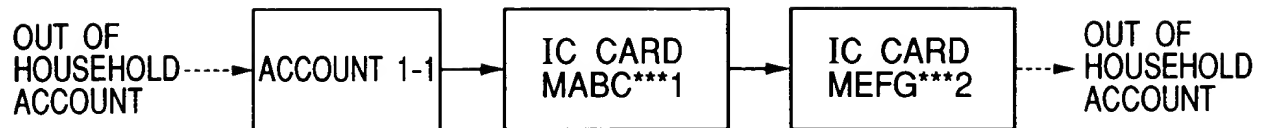


FIG. 11

TOTAL AT
END OF MONTH

<u>INCOME</u>		<u>EXPENDITURE</u>	
SALARY	300,000	• • •	
BAZAAR	1,500	PRINT KOROB	300
		• • •	
TOTAL	301,500		
		TOTAL	301,500

FIG. 12

MAIN PROCESSING

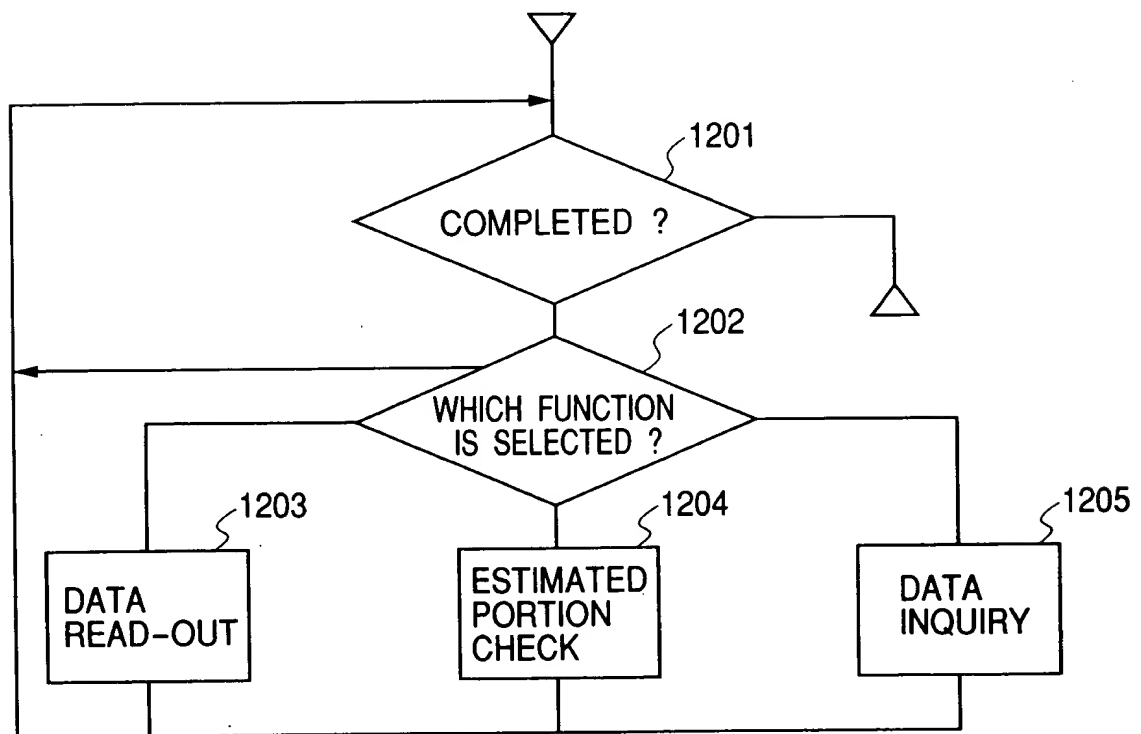


FIG. 13

DATA READ-OUT
IC CARD CONTROL UNIT
PREPAID CARD CONTROL UNIT

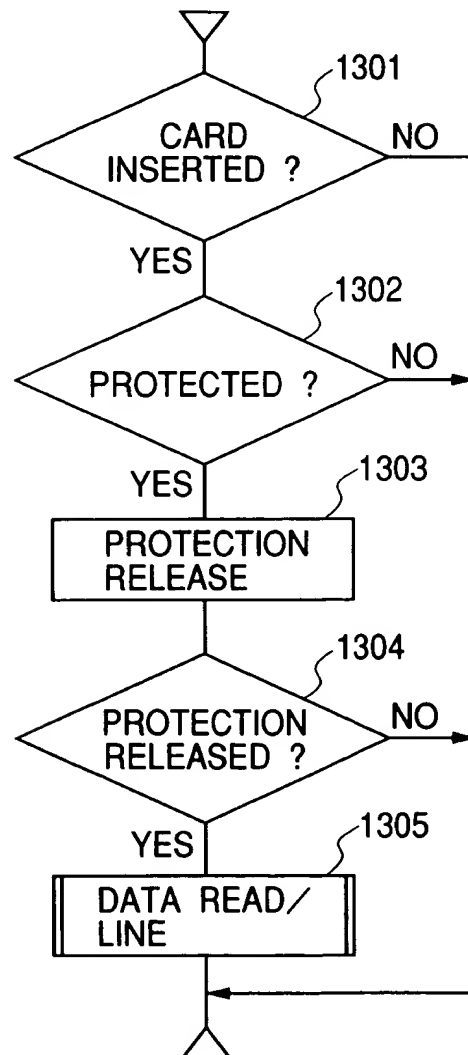


FIG. 14

DATA READ-OUT/ACCOUNT
FILE, OTHER ASSET FILE

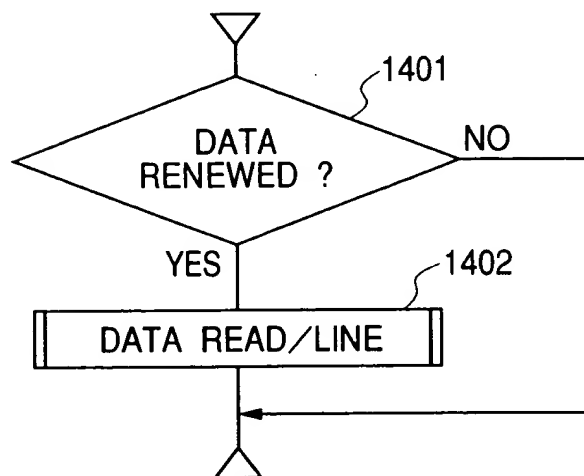


FIG. 15

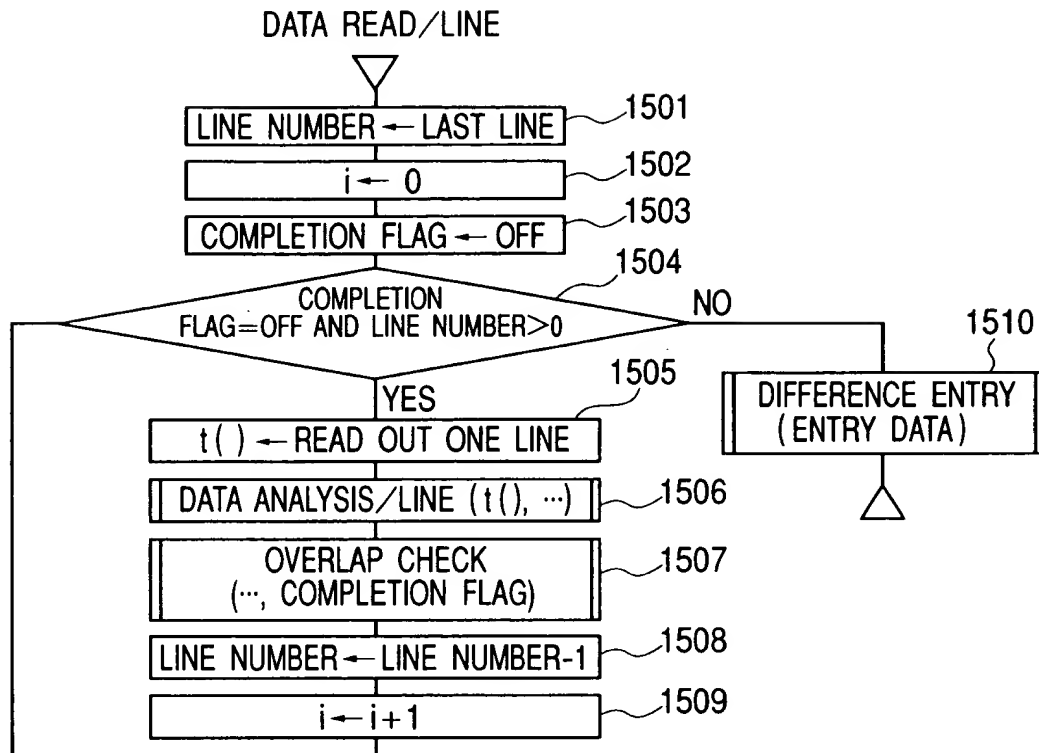


FIG. 16

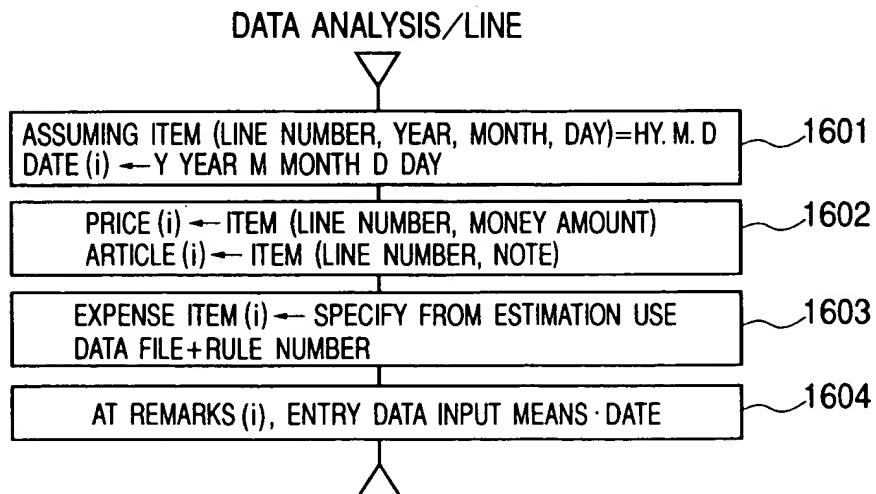


FIG. 17

DATA READ-OUT/
ELECTRONIC MONEY
CONTROL UNIT

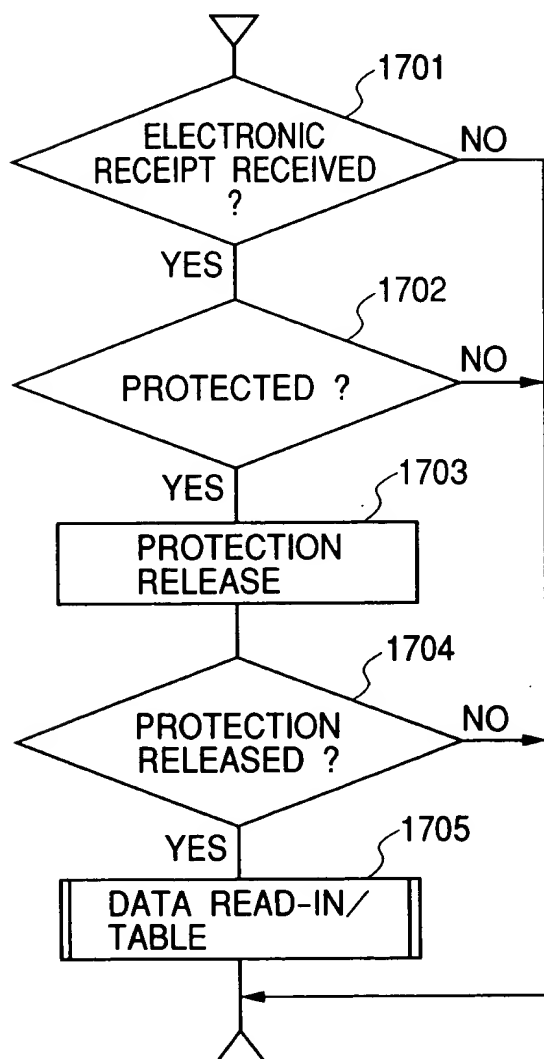


FIG. 18

DATA READ-IN/TABLE

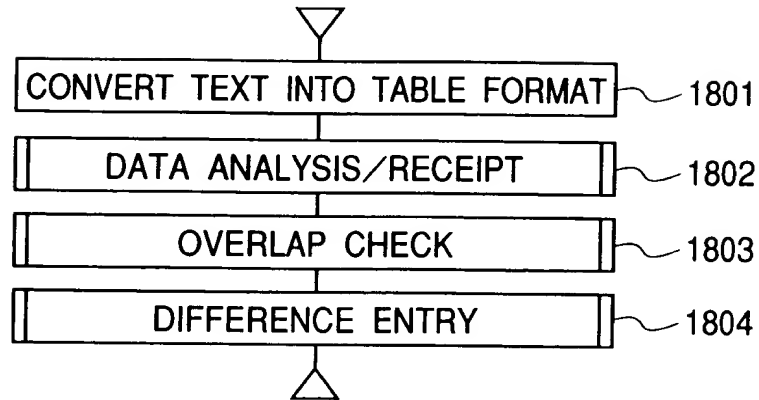
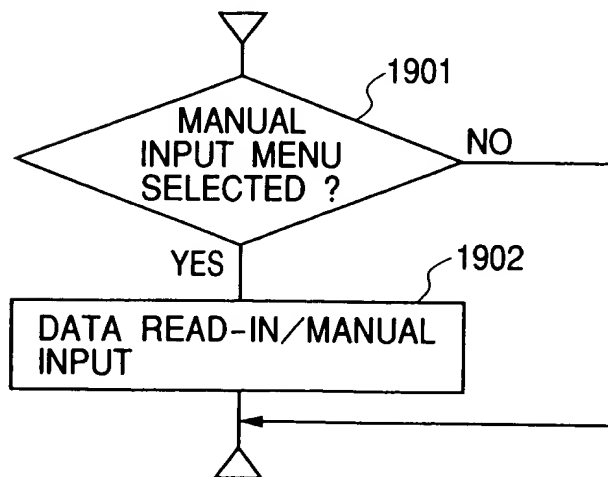
**FIG. 19**DATA READ-OUT/
MANIPULATOR

FIG. 20

DATA ANALYSIS/RECEIPT

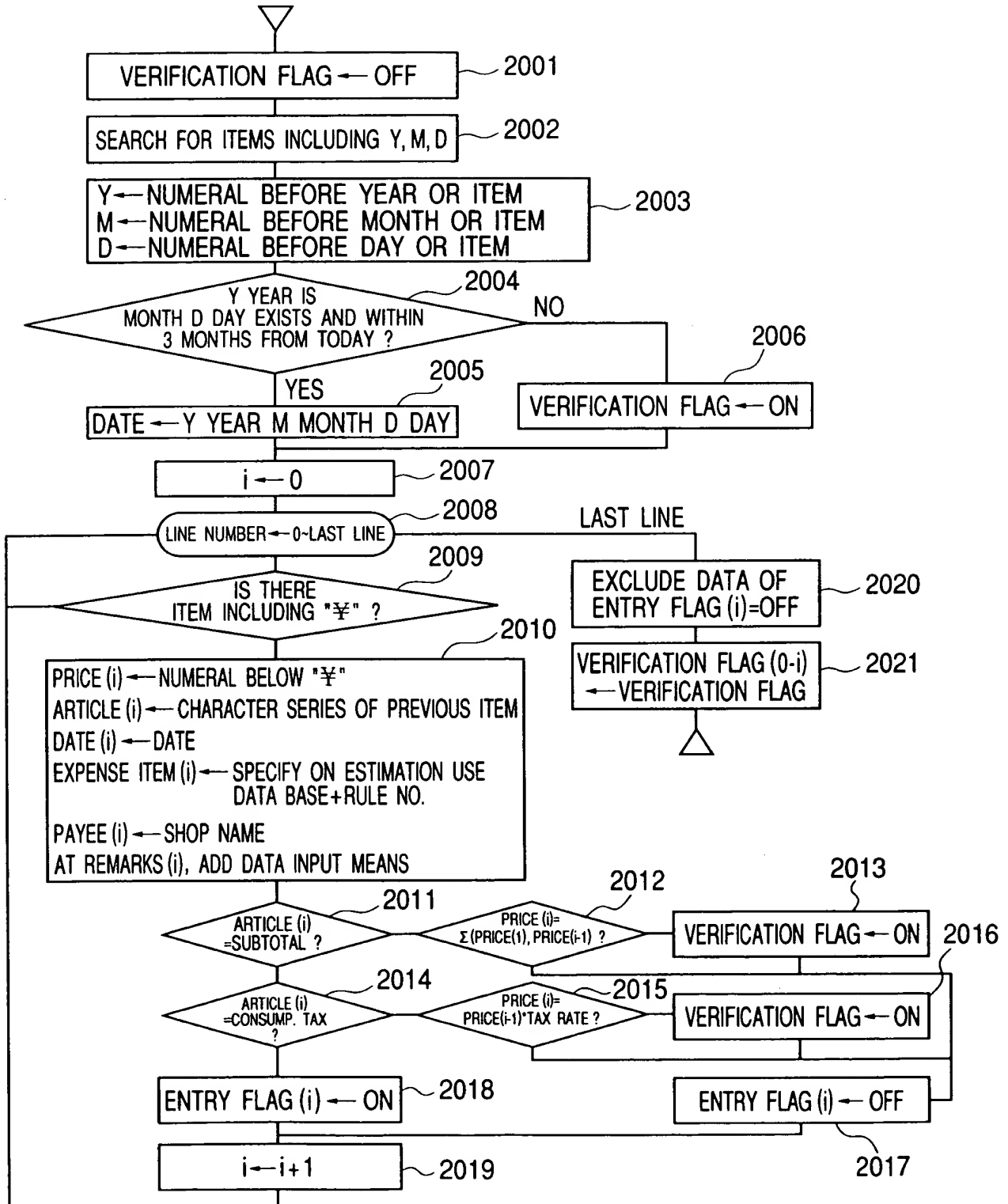


FIG. 21

OVERLAP CHECK

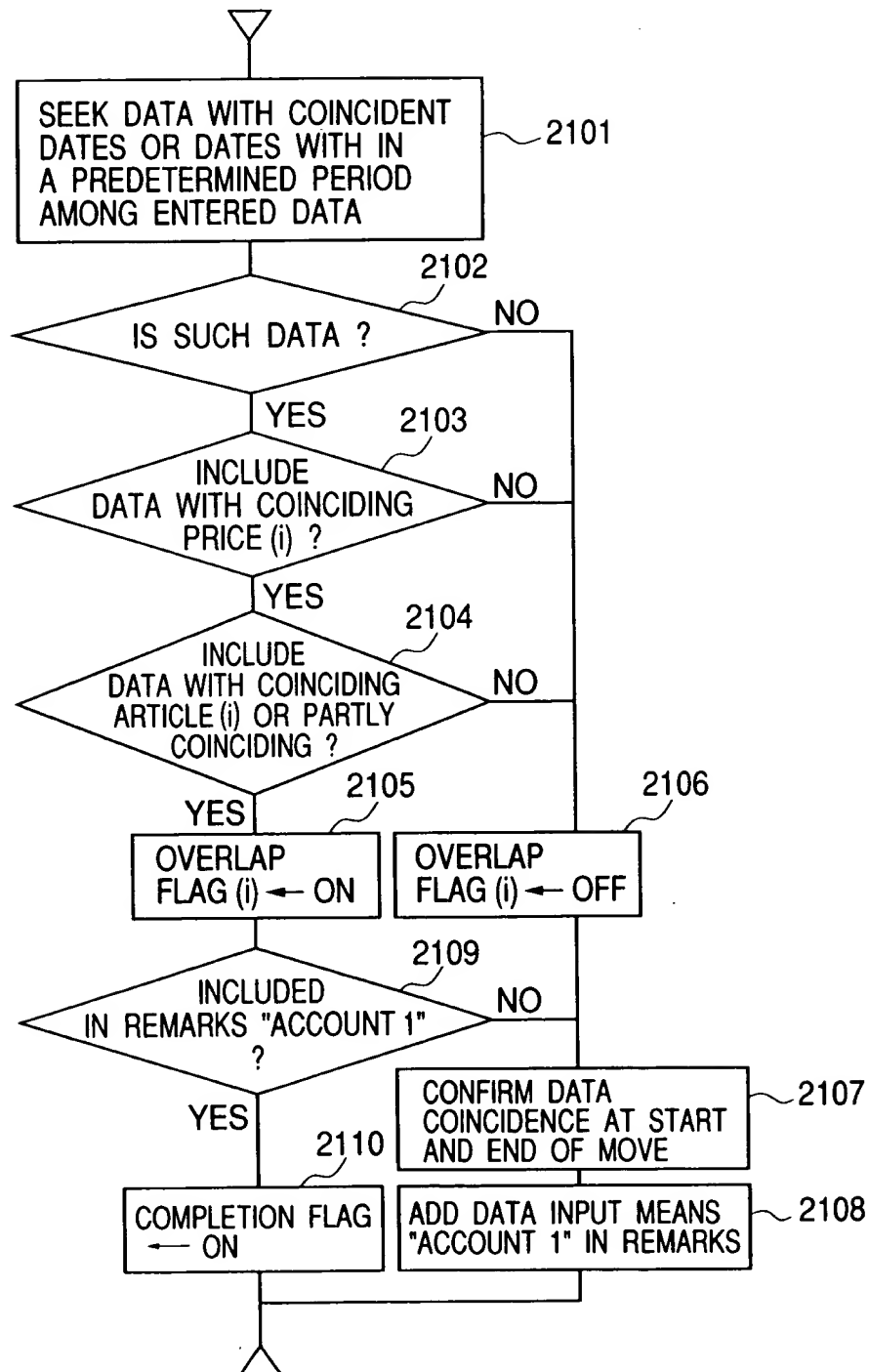


FIG. 22

DIFFERENCE ENTRY

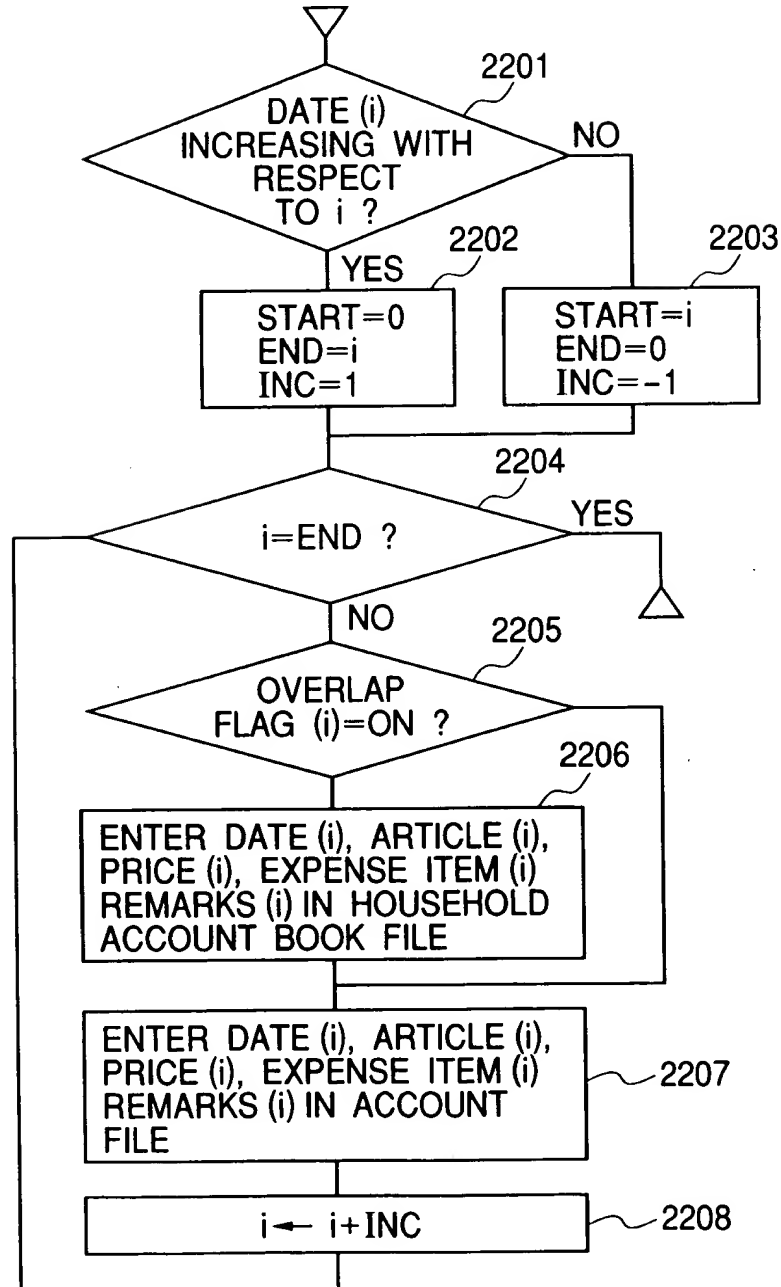


FIG. 23

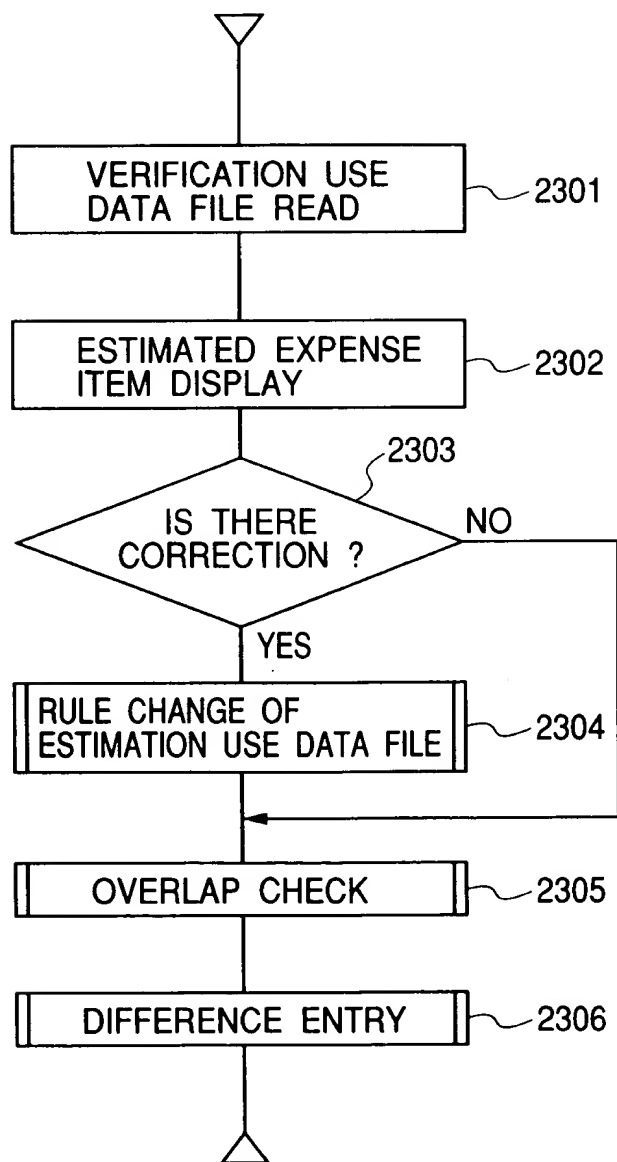
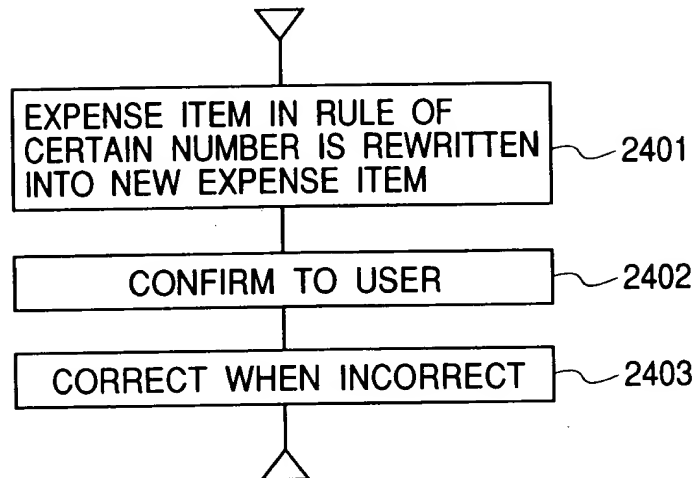


FIG. 24MODIFICATION OF
ESTIMATE USE DATA BASE**FIG. 25**

DATA INQUIRY

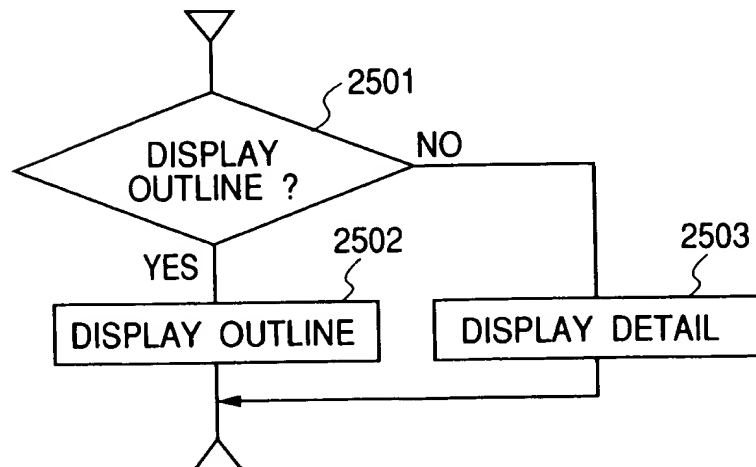


FIG. 26

ROW LINE	1	2
1	1987 Y 8 M 29 D 13:20	
2		
3	[BILL]	
4	KEYMA CURRY	¥680-
5	SEASON'S SALAD	¥480-
6		
7	SUBTOTAL	¥1,160-
8	CONSUMPTION TAX	¥34-
9		
10	TOTAL	¥1,194-
11		
12	PAYMENT VIA IC CARD	

FIG. 27

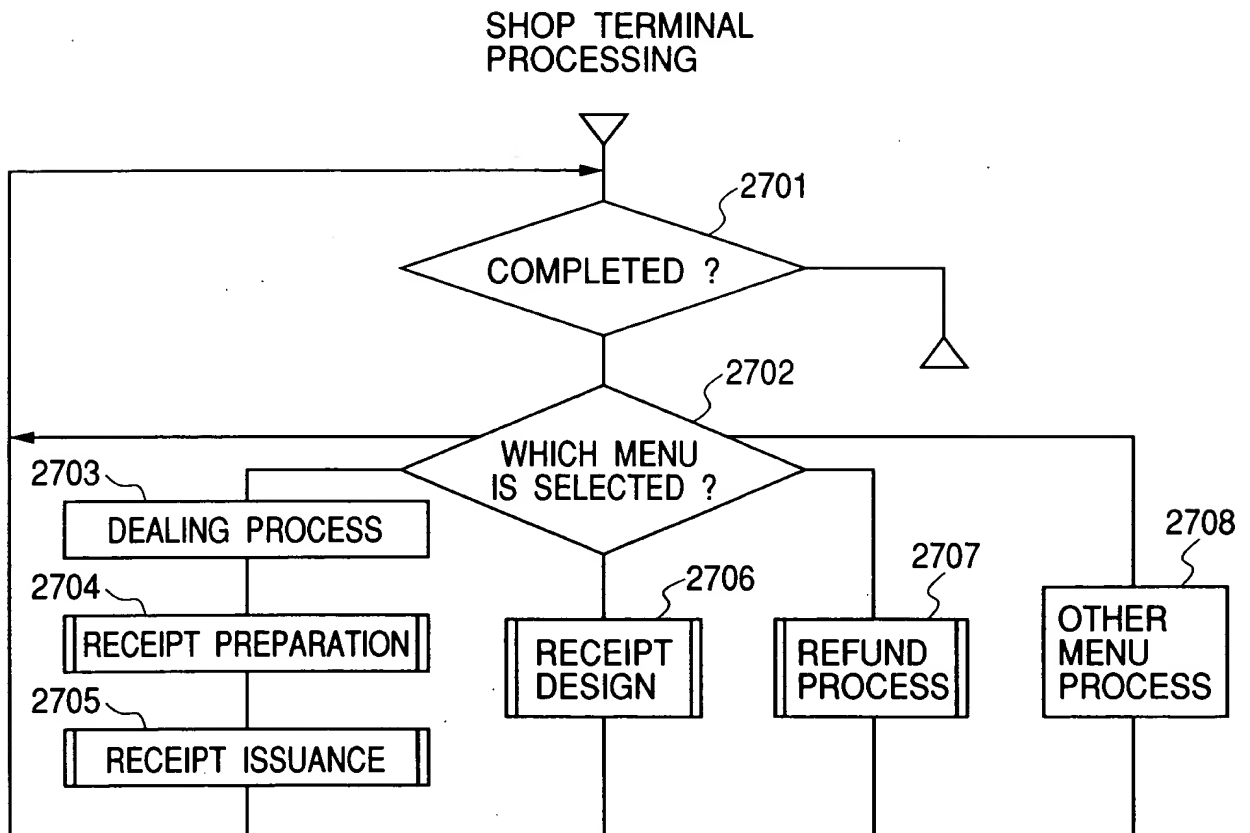
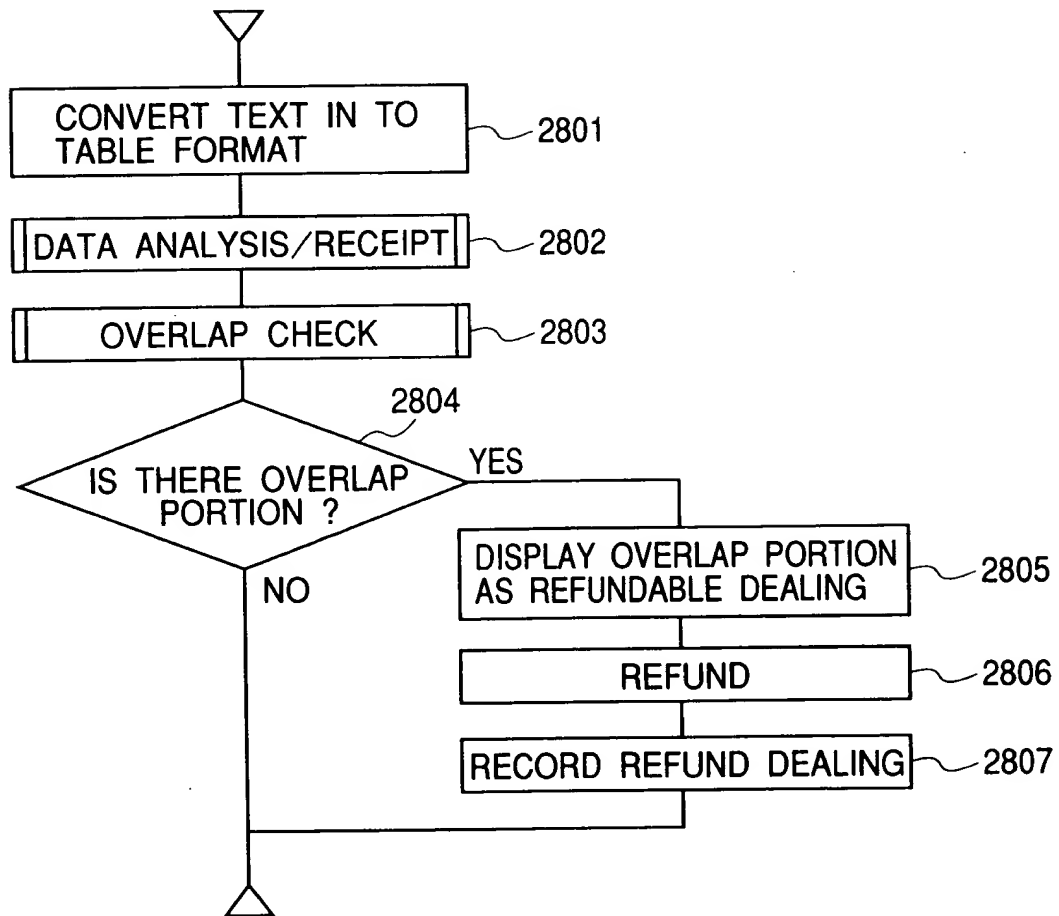


FIG. 28

REFUND PROCESS



	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
0	0	1	4	9	16	25	36	49	64	81	100	121	144	169	196	225	256	289	324	361	400	441	484	529	576	625	676	729	784	841	900	961	1024	1089	1156	1225	1296	1369	1444	1521	1600	1681	1764	1849	1936	2025	2116	2209	2304	2401	2500	2601	2704	2809	2916	3025	3136	3249	3364	3481	3600	3721	3844	3969	4096	4225	4356	4489	4624	4761	4900	5041	5184	5329	5476	5625	5776	5929	6084	6241	6400	6561	6724	6889	7056	7225	7396	7569	7744	7921	8100	8281	8464	8649	8836	9025	9216	9409	9604	9801	10000

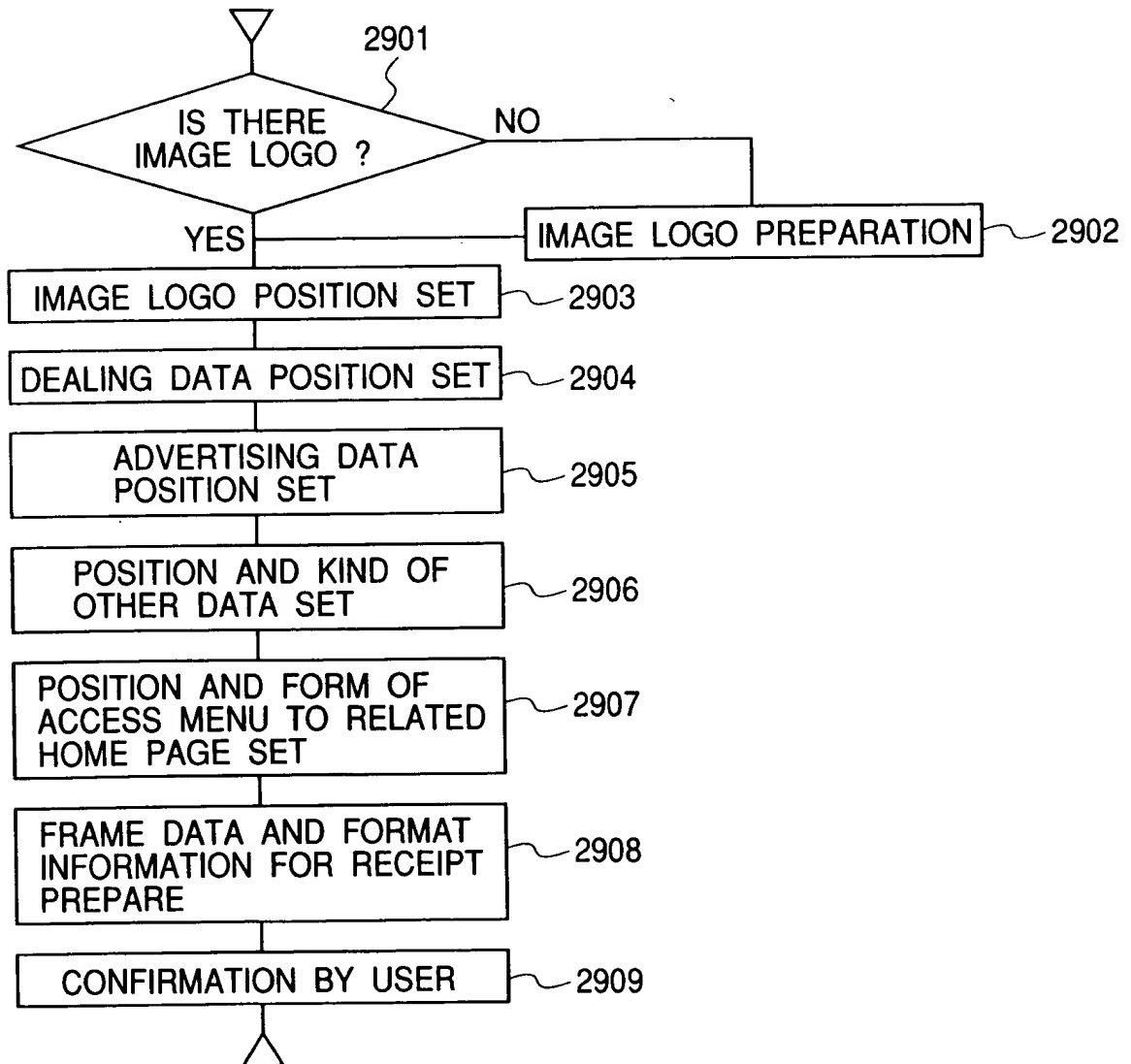


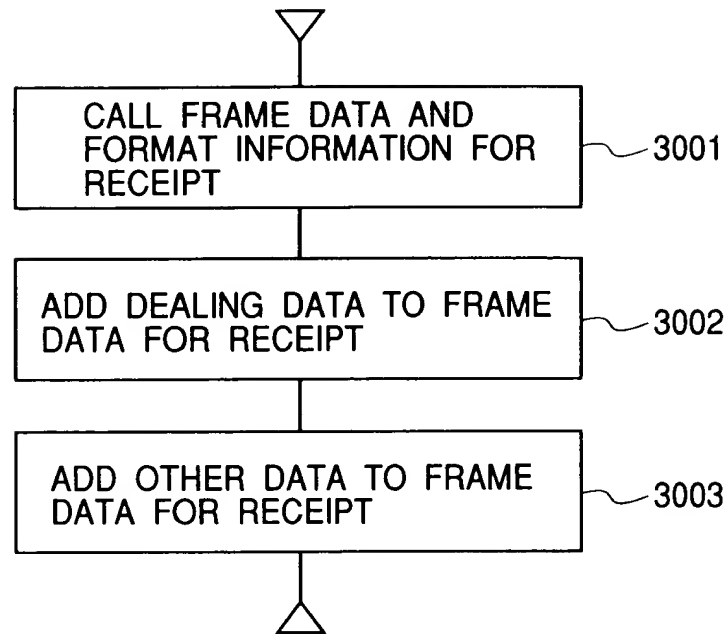
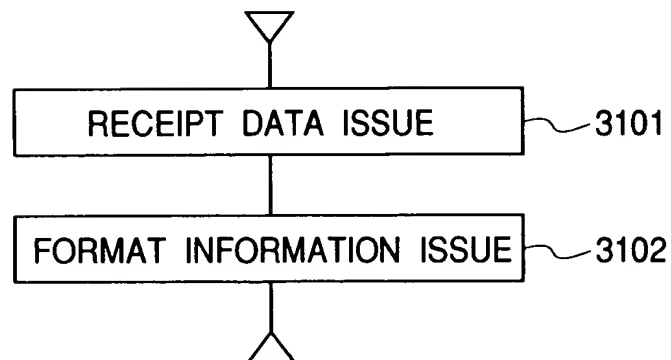
FIG. 30*FIG. 31*

FIG. 33

INCOME

DATE	ITEM	DEALING DESTINATED	REMARKS	MONEY AMOUNT
...
11/13	SALARY	...	ACCOUNT 123	...
			INQUIRY	

EXPENDITUREEAT-OUT EXPENSE

DATE	ITEM	SHOP	REMARKS	MONEY AMOUNT
...
8/29	KEYMA CURRY	BARBEE		...
8/29	SEASON'S SALAD	BARBEE		

CONSUMP. TAX

DATE	ITEM	SHOP	REMARKS	MONEY AMOUNT
...
8/29	CONSUMP. TAX	BARBEE	EAT-OUT EXPENSE	

FIG. 34

(a)

ACCOUNT 123			
YMD	NOTE	INCOME / EXPENDITURE	MONEY AMOUNT
H8. 11. 13	SALARY	INCOME	...
H8. 11. 20	IC CARD CHARGE	EXPENDITURE	80,000
		INQUIRY	

(b)

IC CARD / MABC***1 DEALING RECORD			
YMD	NOTE	INCOME / EXPENDITURE	MONEY AMOUNT
H8. 11. 20	CHARGE	INCOME	80,000
H8. 8. 29	RESTAURANT BARBEE	EXPENDITURE	1,194
		INQUIRY	

(c)

BARBEE	
1987Y 8M 29D 13:20	
[BILL]	
KEYMA CURRY	¥ 680-
SEASON'S SALAD	¥ 480-
SUBTOTAL ¥ 1,160-	
CONSUMP. TAX	¥ 34-
TOTAL ¥ 1,194-	
PAYMENT VIA IC CARD	
[NOTICE]	
DURING SEPT. CURRY FAIR ON-GOING!	
(MENU GUIDE)	

(c') DISPLAY WHEN ORIGINAL RECEIPT IS ERASED

ORIGINAL RECEIPT NOT FOUND OUT				
DATE	ITEM	SHOP	ESTIMATED EXPENSE ITEM	MONEY AMOUNT
8/29	KEYMA CURRY	BARBEE	EAT-OUT EXPENSE	¥ 680
8/29	SEASON'S SALAD	BARBEE	EAT-OUT EXPENSE	¥ 480
8/29	CONSUMP. TAX		EAT-OUT EXPENSE	¥ 34
8/29	TOTAL			¥ 1,194

FIG. 35

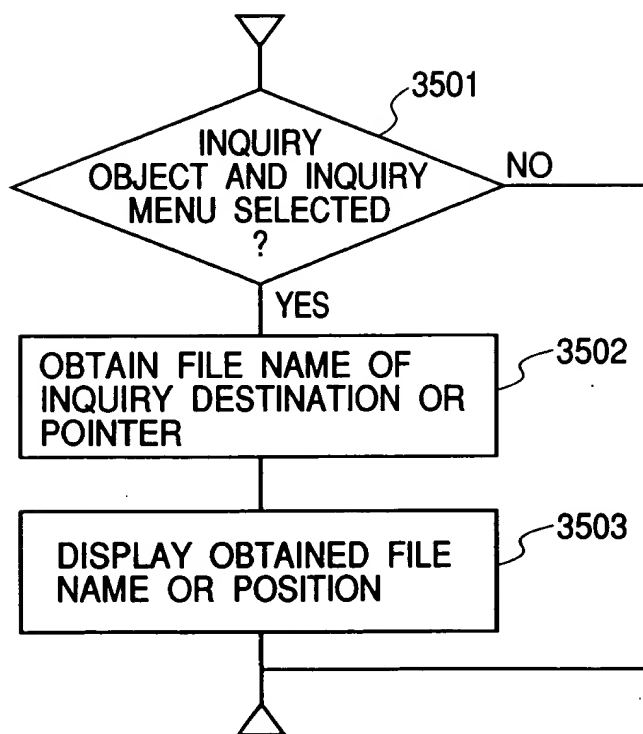


FIG. 36

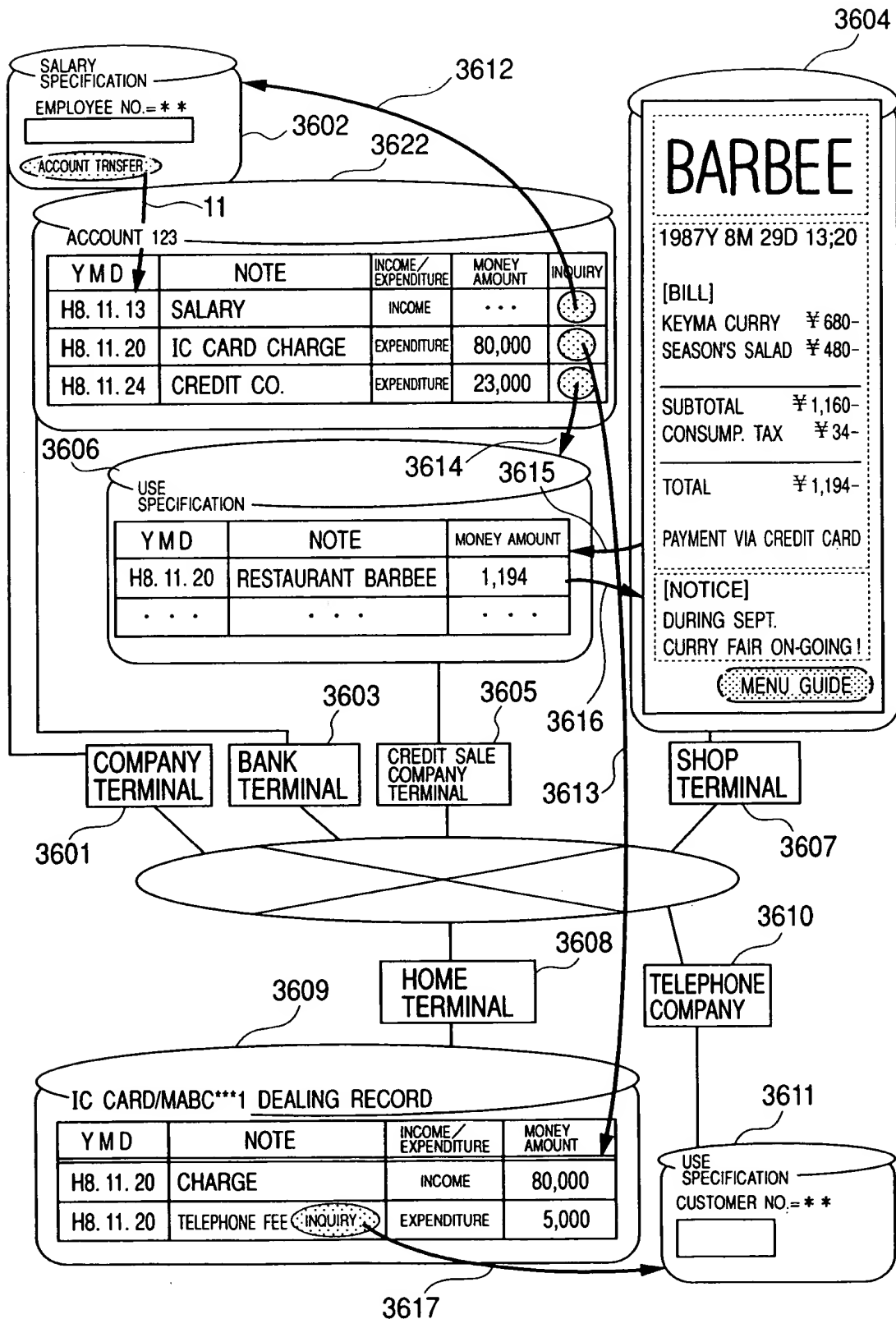


FIG. 37

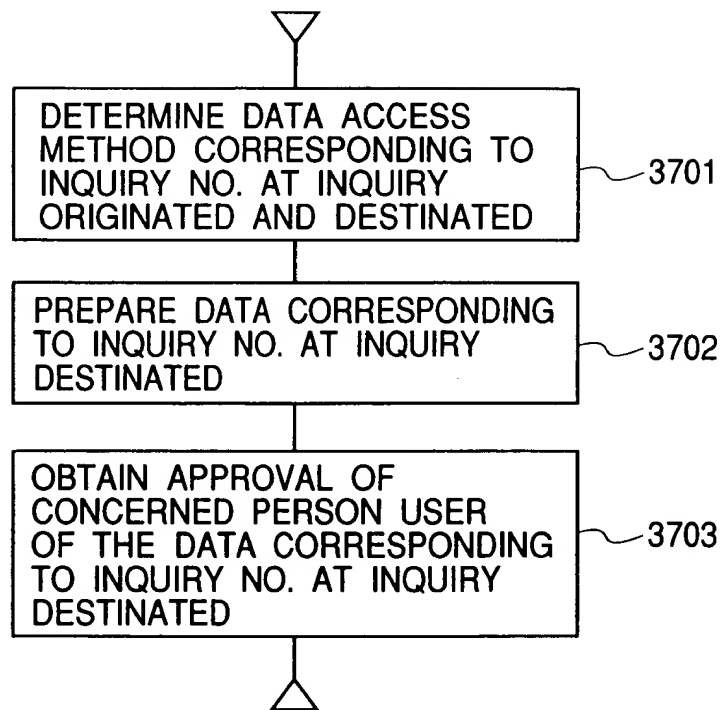
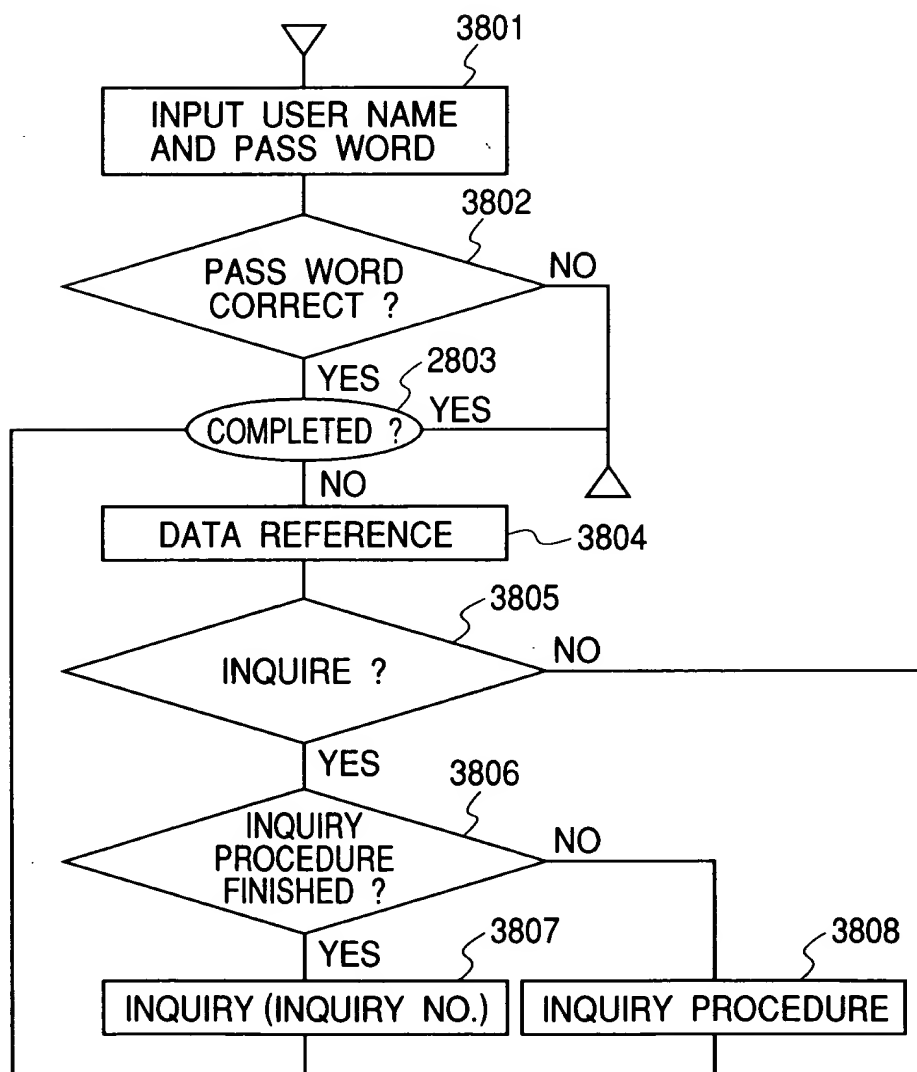


FIG. 38



10

